CONFIGURABLE MULTI-DIMENSIONAL MEDIA DEVICE

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims the benefit of U.S. Provisional Patent Application No. 60/876,628 filed Dec. 21, 2006 and entitled "Configurable multi-side mobile computing," which is herein incorporated by reference for all purposes.

FIELD OF THE INVENTION

Examples of the present invention relates generally to communications and personal computing. More specifically, various techniques for a configurable multi-dimensional media device are described.

BACKGROUND OF THE INVENTION

Conventional mobile communication devices are typically small and portable, but often limited in functionality. Typical functions of conventional devices are implemented using mobile or cellular phones, portable digital assistant (PDA), smart phone (i.e., combined mobile or cell phone, PDA, and, in some examples, digital camera), digital camera, digital music player (e.g., player for song files in formats such as .mp3, .wav., and others), teleconferencing or video conferencing equipment, global positioning system (GPS) handheld units, and digital document scanning/imaging devices. However, conventional devices typically do not offer more than one function. Some conventional devices combine functions. However, conventional devices that combine functions are typically restricted in the number of functions that can be combined due to size, computing, memory, form factor, ergonomics, and other factors limit the number of functions that can be combined into a single device. Issues such as usability, form factors, ergonomic design, aestheticism, and consumer appeal significantly affect the types of functions implemented by conventional solutions. Thus, the limited number of functions that may be combined deters widespread adoption of conventional devices. For example, conventional solutions are limited in that users must purchase and learn to use several individual devices for video conferencing, media recording (e.g., MP3 players and other types of portable media players), download, and playback, mobile communication (e.g., cellular and mobile phones, personal data assistants (PDA), smart phones, and the like), image scanning, and others. Subsequently, conventional solutions are expensive and limited in usability and features. For example, conventional solutions for video conferencing typically require equipment configured for real-time video and audio capture and encoded transmission. These solutions are not only expensive and limited, but have a large footprint or chassis that is impractical for mobile solutions.

Thus, a solution for providing media device capabilities without the limitations of conventional techniques is needed.

BRIEF DESCRIPTION OF THE DRAWINGS

Various examples are disclosed in the following detailed description and the accompanying drawings:

FIG. **1** illustrates exemplary types of configurable multi-dimensional media device;

FIG. **2**A illustrates an exemplary configurable multi-dimensional media device configured in a flat shape;

FIG. **2**B illustrates an exemplary configurable multi-dimensional media device configured in a square shape;

FIG. **2**C illustrates an exemplary configurable multi-dimensional media device configured in an elongated shape;

FIG. **2**D illustrates an exemplary configurable multi-dimensional media device configured in a triangular shape;

FIG. **2**E illustrates an exemplary configurable multi-dimensional media device configured in an alternative elongated shape;

FIG. **3** illustrates an alternative view of an exemplary configurable multi-dimensional media device configured in a square shape;

FIG. **4** illustrates an exemplary configurable multi-dimensional media device configured as a media player;

FIG. **5**A illustrates an exemplary configurable multi-dimensional media device configured as a videoconferencing system;

FIG. **5**B illustrates an alternative view of an exemplary configurable multi-dimensional media device configured as a videoconferencing system;

FIG. **6**A illustrates an exemplary configurable multi-dimensional media device configured as a camera;

FIG. **6**B illustrates an alternative view of an exemplary configurable multi-dimensional media device configured as a camera;

FIG. **7**A illustrates an exemplary configurable multi-dimensional media device configured as a mobile communication system;

FIG. **7**B illustrates an alternative view of an exemplary configurable multi-dimensional media device configured as a mobile communication system;

FIG. **8** illustrates an exemplary configurable multi-dimensional media device configured as a mapping system;

FIG. **9** illustrates an exemplary configurable multi-dimensional media device configured as a digital image scanner;

FIG. **10**A illustrates an exemplary configurable multi-dimensional media device configured as an image capturing system;

FIG. **10**B illustrates an alternative view of an exemplary configurable multi-dimensional media device configured as an image capturing system;

FIG. **11** illustrates an exemplary structure of a configurable multi-dimensional media device;

FIG. **12** illustrates an alternative view of an exemplary structure of a configurable multi-dimensional media device;

FIG. **13** illustrates an exemplary structure of a configurable multi-dimensional media device panel;

FIG. **14**A illustrates an exemplary configurable multi-dimensional media device configured as a video communications system;

FIG. **14**B illustrates an alternative exemplary configurable multi-dimensional media device configured as a video communications system;

FIG. **15** illustrates an exemplary configurable multi-dimensional media device system;

FIG. **16**A illustrates an exemplary process for configurable multi-dimensional media device computing;

FIG. **16**B illustrates a further exemplary process for configurable multi-dimensional media device computing; and

FIG. **17** illustrates an exemplary computing environment suitable for configurable multi-dimensional media computing.

DETAILED DESCRIPTION

Various embodiments or examples may be implemented in numerous ways, including as a system, a process, an appara-